

APPENDIX B

Computer Modeling Results-PRC Product Water Delivery Model
Poseidon Resources Corporation
December 23, 2002

The attached computer modeling results includes four scenarios, one for the existing system with year 2010 demands and three runs that include 50 MGD from the proposed Poseidon plant: average annual, maximum month, and minimum month demands for the year 2010.

Average Demands

Demands used in the model were based on information obtained from the Municipal Water District of Orange County (MWDOC) and Irvine Ranch Water District (IRWD). The model demands are based on projected water demands for the fiscal year 2010. MWDOC's projected demands are a compilation of estimated demands provided by the individual water purveyor. A copy of these projects is included. Additional demands totaling 18,762 gpm (27.0 MGD, or 41.8 cfs) were included for IRWD to represent demands that are currently being supplied from other sources (e.g. via the Allen-Mccolloch Pipeline) and could be diverted to the Tri-Cities or Aufdenkamp Transmission Mains (according to IRWD staff). A table of the demands used in the model are also attached (see the table Allocation of Demands for Year 2010).

Maximum/Minimum Month Demands

Estimated monthly water usage projections were provided by MWDOC for the East Orange County Feeder No. 2 (EOCF#2). Water demand fractions were developed from these projections to determine the maximum and minimum month peaking factors. The peaking factor used for the maximum month simulation is 1.27 times the average annual demands. The peaking factor used for the minimum month simulation is 0.76 times the average annual demands. Copies of the estimated monthly demands obtained from MWDOC are attached at the end.

According to the information provided by MWDOC, the location of the source of water for a proposed connection by OCWD is not known and may not be along the EOCF#2. Therefore, demand fractions were developed with and without the OCWD water demands. The computer model used the demands and peaking factors that excluded the OCWD demands.

System Pressure

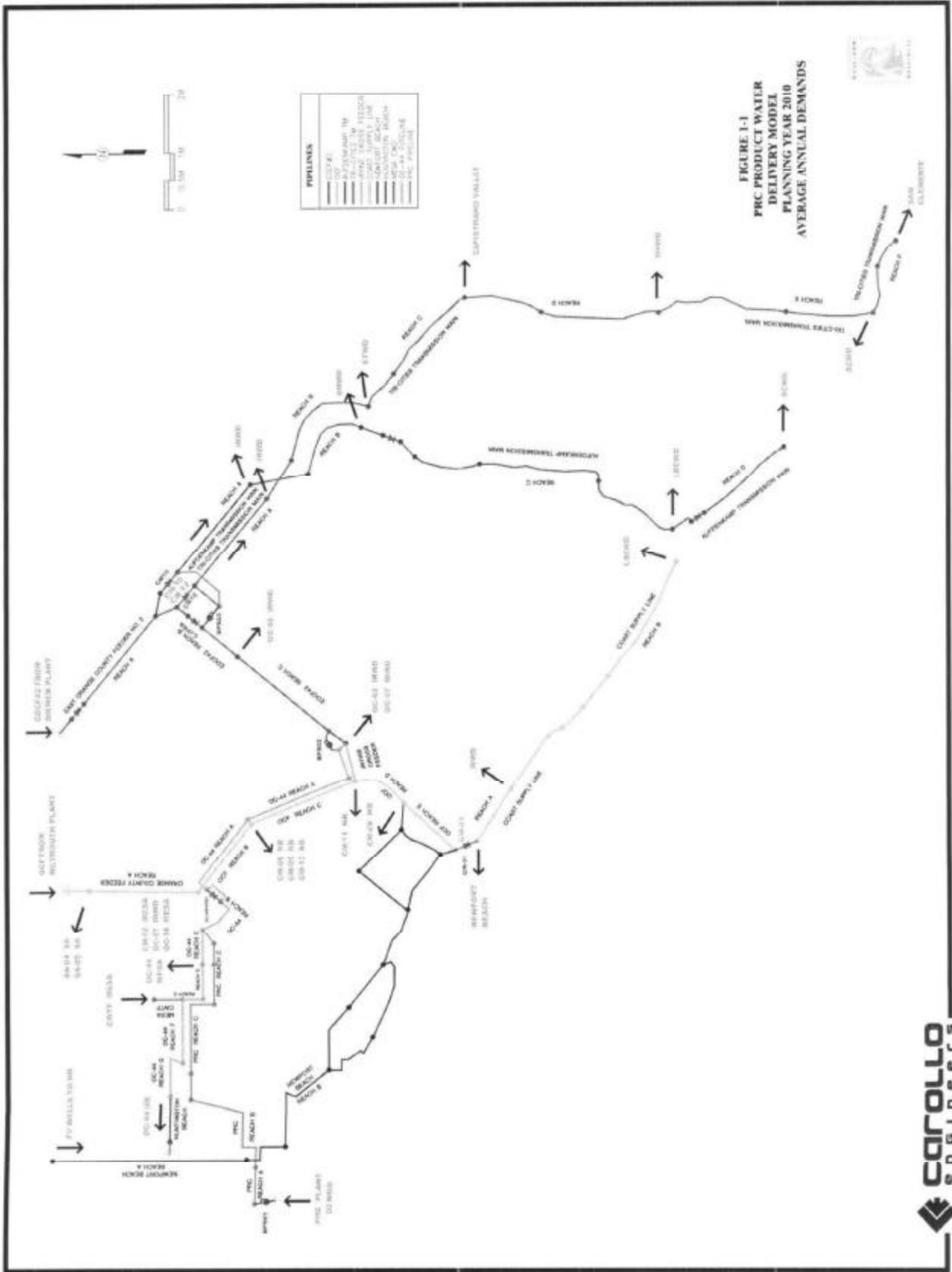
Booster Pumping Station No. 1, located at the desalination plant, pressurizes the water to a hydraulic grade of about 445 feet. This pressure is sufficient in the PRC and OC-44 pipelines to meet the projected demands. However, when the water gets to the EOCF#2, there is not enough pressure to meet the needs of the demands for OC-57, OC-63, and OC-39. In addition, the pressure is not sufficient to get the water up to coastal junction. One pumping facility could be used to pressurize the water for the demands and coastal junction. However, according to MWD staff, pressure in the East Orange County Feeder No. 2 pipeline (Reaches B and C) and the Irvine Cross Feeder cannot exceed a maximum hydraulic grade of 485 feet without risking damage to the pipelines. Due to this limitation in the existing pipeline, a second pumping station is required.

Booster Station No. 2 (located where the OC-44 pipeline meets the end of EOCF#2) can pump to a maximum hydraulic grade of 485 feet. Pumping at a higher pressure risks damaging the pipeline and pumping at a lower head will not provide IRWD with enough pressure to get the flows into their system. Therefore, Booster Station No. 2 was modeled to produce a pressure head of 485 feet.

Booster Station No. 3 (located at coastal junction) is needed to get the water from EOCF#2 into the Aufdenkamp and Tri-Cities Transmission Mains (ATM and TCTM, respectively). The maximum hydraulic grade in the ATM and TCTM is 675 feet. This pressure head regulated by the Santiago Regulating Station upstream of coastal junction along the EOCF#2. Therefore, Booster Station No. 3 was modeled to produce a pressure head of 675 feet.

The modeling results indicate that Booster Pumping Station No. 2 should be sized for a capacity of 32,300 gpm (46.5 MGD, 72 cfs) and a total dynamic head (TDH) of 209 feet. This is based on a suction head of 273 feet and a discharge head of 482 feet. Using an assumed overall efficiency of 60%, the station would require about 2,900 horsepower. The computer model indicated that Booster Pumping Station No. 3 would require a flow rate of 24,700 gpm (35.6 MGD, 55 cfs). The station should be sized for a TDH of 205 feet. This is based on a suction hydraulic grade of 470 feet and discharge grade of 675 feet. This requires about 2,200 horsepower assuming an overall efficiency of 60%.

All other pipelines and MWD connections included in this model see approximately the same pressure as the existing system. Therefore, concerns regarding pressures in the other pipelines are not expected.



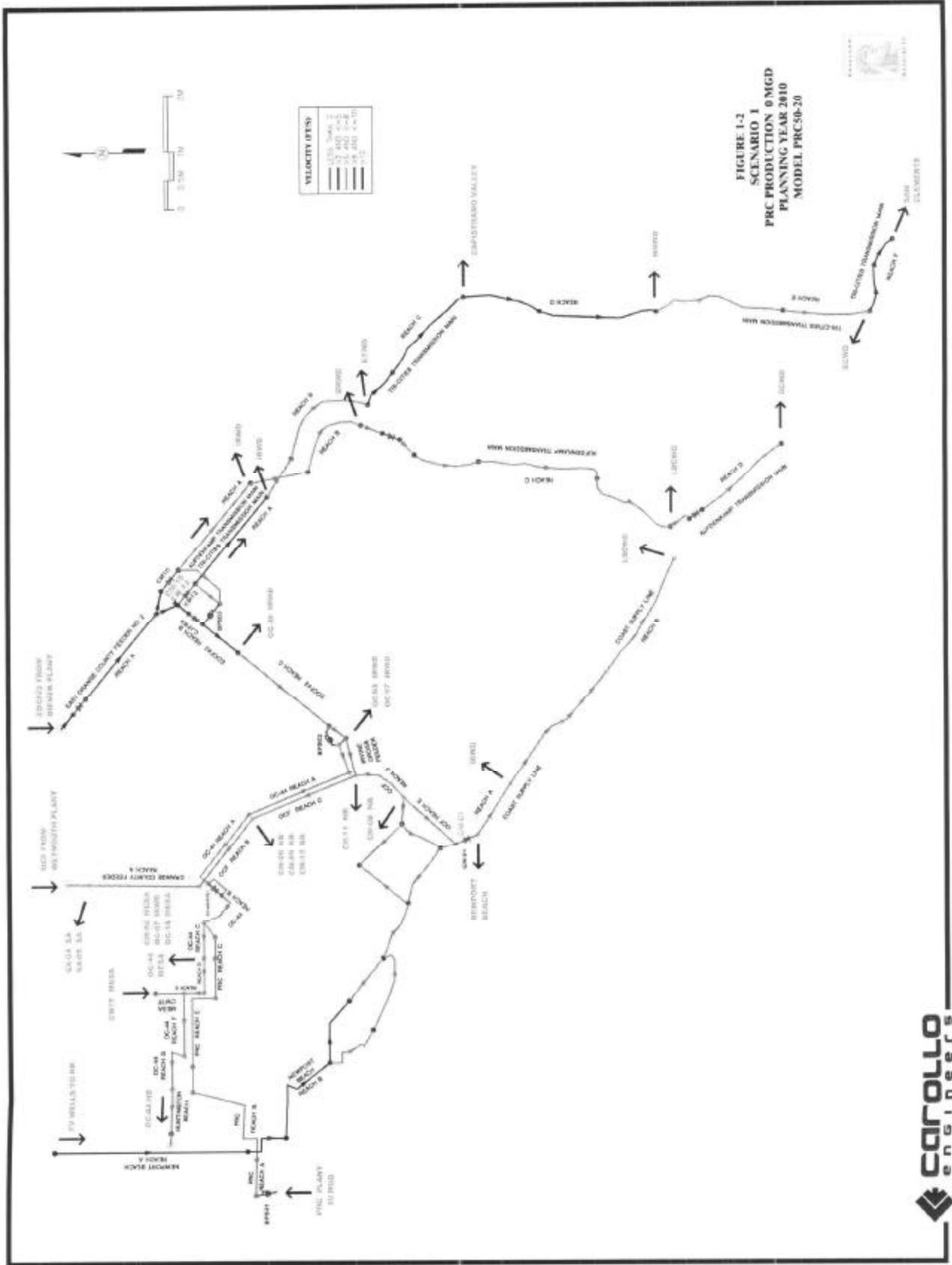


FIGURE 1-2
SCENARIO 1
PRC PRODUCTION 0 MGD
PLANNING YEAR 2010
MODEL PRC50-20

Table 1-1
 Water Supply and Demand Summary - Existing System
 Preliminary Analysis of Delivery Options - Poseidon Resources

Scenario Number: 1
 Model Name: Ext Syst
 PRC Production: 50 MGD

CWTF: NO
 Planning Year: 2010

Water Customers	Water Suppliers (MGD)						
	PRC	EOCF#2	OCF	NB Wells	Mesa	OCWD	Total Demands
El Toro WD	-	1.29	-	-	-	-	1.29
Huntington Beach	-	3.57	-	-	-	-	3.57
Irvine Ranch WD	-	38.47	-	-	-	-	38.47
Laguna Beach County WD	-	4.33	-	-	-	-	4.33
Mesa Consolidated WD	-	1.04	-	-	-	-	1.04
Moulton Niguel WD	-	9.73	-	-	-	-	9.73
Newport Beach	-	4.69	-	13.00	-	-	17.69
San Clemente	-	4.07	-	-	-	-	4.07
San Juan Capistrano	-	0.89	-	-	-	-	0.89
Santa Margarita WD	-	0.98	-	-	-	-	0.98
South Coast WD	-	6.01	-	-	-	-	6.01
Total Supplies	-	75.08	-	13.00	-	-	88.08

Modeling Results

Pipeline	Dia (In)	Flow Rate (MGD)	Velocity (fps)	Direction	Source Fraction (%)					
					PRC	EOCF#2	OCF	NB Wells	Mesa	Total
East Orange County Feeder # 2 - Reach "A"	72	75.08	4.11	+ South	-	100	-	-	-	100
East Orange County Feeder # 2 - Reach "B"	54	22.17	2.16	+ South	-	100	-	-	-	100
East Orange County Feeder # 2 - Reach "C"	54	13.69	1.33	+ South	-	100	-	-	-	100
Irvine Cross Feeder	53	8.22	0.83	+ West	-	100	-	-	-	100
Orange County Feeder - Reach "A"	36	0.00	0.00	+ North	-	-	-	-	-	-
Orange County Feeder - Reach "B"	36	1.70	0.37	+ North	-	100	-	-	-	100
Orange County Feeder - Reach "C"	36	1.84	0.40	+ North	-	100	-	-	-	100
Orange County Feeder - Reach "D"	36	4.98	1.09	+ North	-	100	-	-	-	100
Orange County Feeder - Reach "E"	36	1.84	0.40	+ North	-	100	-	-	-	100
OC-44 Line - Reach "A"	42	4.62	0.74	+ West	-	100	-	-	-	100
OC-44 Line - Reach "B"	42	4.62	0.74	+ West	-	100	-	-	-	100
OC-44 Line - Reach "C"	36	4.62	1.01	+ West	-	100	-	-	-	100
OC-44 Line - Reach "D"	30	4.62	1.45	+ West	-	100	-	-	-	100
OC-44 Line - Reach "E"	24	3.57	1.76	+ West	-	100	-	-	-	100
OC-44 Line - Reach "F"	24	3.57	1.76	+ West	-	100	-	-	-	100
OC-44 Line - Reach "G"	24	3.57	1.76	+ West	-	100	-	-	-	100
Coast Supply Line - Reach "A"	27	1.84	0.72	+ South	-	100	-	-	-	100
Coast Supply Line - Reach "B"	27	1.70	0.66	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach "A"	60	42.40	3.34	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach "B"	60	20.62	1.62	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach "C"	42	19.33	3.11	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach "D"	36	18.44	4.04	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach "E"	36	8.71	1.91	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach "F"	24	4.07	2.01	+ South	-	100	-	-	-	100
Aufdenkamp Transmission Main - Reach "A"	42	10.51	1.69	+ South	-	100	-	-	-	100
Aufdenkamp Transmission Main - Reach "B"	42	4.99	0.80	+ South	-	100	-	-	-	100
Aufdenkamp Transmission Main - Reach "C"	36	4.01	0.88	+ South	-	100	-	-	-	100
Aufdenkamp Transmission Main - Reach "D"	36	1.38	0.30	+ South	-	100	-	-	-	100
Newport Beach Wells Supply Line-Reach "A"	36	13.00	2.85	+ South	-	-	-	100	-	100
Newport Beach Wells Supply Line-Reach "B"	30	13.00	4.10	+ South	-	-	-	100	-	100
Poseidon Pipeline (Proposed) - Reach "A"	48	0.00	0.00	+ East	-	-	-	-	-	-
Poseidon Pipeline (Proposed) - Reach "B"	48	0.00	0.00	+ East	-	-	-	-	-	-
Poseidon Pipeline (Proposed) - Reach "C"	48	0.00	0.00	+ East	-	-	-	-	-	-

Table 1-2
 Water Supply and Demand Summary - Existing System
 Preliminary Analysis of Delivery Options - Poseidon Resources

Scenario Number: 1
 Model Name: Ext Syat
 PRC Production: 50 MGD
 CWTF: NO
 Planning Year: 2010

Water Customers	Water Suppliers (cfs)						
	PRC	EOCF#2	OCF	NB Wells	Mesa	OCWD	Total Demands
El Toro WD	-	1.99	-	-	-	-	1.99
Huntington Beach	-	5.53	-	-	-	-	5.53
Irvine Ranch WD	-	59.53	-	-	-	-	59.53
Laguna Beach County WD	-	6.70	-	-	-	-	6.70
Mesa Consolidated WD	-	1.62	-	-	-	-	1.62
Moulton Niguel WD	-	15.06	-	-	-	-	15.06
Newport Beach	-	7.25	-	20.12	-	-	27.37
San Clemente	-	6.30	-	-	-	-	6.30
San Juan Capistrano	-	1.38	-	-	-	-	1.38
Santa Margarita WD	-	1.52	-	-	-	-	1.52
South Coast WD	-	9.30	-	-	-	-	9.30
Total Supplies	-	116.17	-	20.12	-	-	136.29

Modeling Results

Pipeline	Dia (in)	Flow Rate (cfs)	Velocity (fps)	Direction	Source Fraction (%)					
					PRC	EOCF#2	OCF	NB Wells	Mesa	Total
East Orange County Feeder # 2 - Reach 'A'	72	116.17	4.11	+ South	-	100	-	-	-	100
East Orange County Feeder # 2 - Reach 'B'	54	34.30	2.16	+ South	-	100	-	-	-	100
East Orange County Feeder # 2 - Reach 'C'	54	21.17	1.33	+ South	-	100	-	-	-	100
Irvine Cross Feeder	53	12.72	0.83	+ West	-	100	-	-	-	100
Orange County Feeder - Reach 'A'	36	0.00	0.00	+ North	-	-	-	-	-	-
Orange County Feeder - Reach 'B'	36	2.62	0.37	+ North	-	100	-	-	-	100
Orange County Feeder - Reach 'C'	36	2.84	0.40	+ North	-	100	-	-	-	100
Orange County Feeder - Reach 'D'	36	7.70	1.09	+ North	-	100	-	-	-	100
Orange County Feeder - Reach 'E'	36	2.84	0.40	+ North	-	100	-	-	-	100
OC-44 Line - Reach 'A'	42	7.14	0.74	+ West	-	100	-	-	-	100
OC-44 Line - Reach 'B'	42	7.14	0.74	+ West	-	100	-	-	-	100
OC-44 Line - Reach 'C'	36	7.14	1.01	+ West	-	100	-	-	-	100
OC-44 Line - Reach 'D'	30	7.14	1.45	+ West	-	100	-	-	-	100
OC-44 Line - Reach 'E'	24	5.53	1.76	+ West	-	100	-	-	-	100
OC-44 Line - Reach 'F'	24	5.53	1.76	+ West	-	100	-	-	-	100
OC-44 Line - Reach 'G'	24	5.53	1.76	+ West	-	100	-	-	-	100
Coast Supply Line - Reach 'A'	27	2.84	0.72	+ South	-	100	-	-	-	100
Coast Supply Line - Reach 'B'	27	2.62	0.66	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach 'A'	60	65.61	3.34	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach 'B'	60	31.90	1.62	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach 'C'	42	29.91	3.11	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach 'D'	36	28.53	4.04	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach 'E'	36	13.47	1.91	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach 'F'	24	6.30	2.01	+ South	-	100	-	-	-	100
Aufderkamp Transmission Main - Reach 'A'	42	16.26	1.69	+ South	-	100	-	-	-	100
Aufderkamp Transmission Main - Reach 'B'	42	7.72	0.60	+ South	-	100	-	-	-	100
Aufderkamp Transmission Main - Reach 'C'	36	6.20	0.88	+ South	-	100	-	-	-	100
Aufderkamp Transmission Main - Reach 'D'	36	2.13	0.30	+ South	-	100	-	-	-	100
Newport Beach Wells Supply Line-Reach 'A'	36	20.11	2.85	+ South	-	-	-	100	-	100
Newport Beach Wells Supply Line-Reach 'B'	30	20.11	4.10	+ South	-	-	-	100	-	100
Poseidon Pipeline (Proposed) - Reach 'A'	48	0.00	0.00	+ East	-	-	-	-	-	-
Poseidon Pipeline (Proposed) - Reach 'B'	48	0.00	0.00	+ East	-	-	-	-	-	-
Poseidon Pipeline (Proposed) - Reach 'C'	48	0.00	0.00	+ East	-	-	-	-	-	-

Table 1-3
 Water Supply and Demand Summary - Existing System
 Preliminary Analysis of Delivery Options - Poseidon Resources

Scenario Number: 1
 Model Name: Ext Syst
 PRC Production: 50 MGD

CWTF: NO
 Planning Year: 2010

Water Customers	Water Suppliers (gpm)						Total Demands
	PRC	EOCF#2	OCF	NB Wells	Mesa	OCWD	
El Toro WD	-	893	-	-	-	-	893
Huntington Beach	-	2,480	-	-	-	-	2,480
Irvine Ranch WD	-	26,716	-	-	-	-	26,716
Laguna Beach County WD	-	3,007	-	-	-	-	3,007
Mesa Consolidated WD	-	725	-	-	-	-	725
Moulton Niguel WD	-	6,757	-	-	-	-	6,757
Newport Beach	-	3,255	-	9,029	-	-	12,284
San Clemente	-	2,827	-	-	-	-	2,827
San Juan Capistrano	-	620	-	-	-	-	620
Santa Margarita WD	-	682	-	-	-	-	682
South Coast WD	-	4,174	-	-	-	-	4,174
Total Supplies	-	52,136	-	9,029	-	-	61,165

Modeling Results

Pipeline	Dia (in)	Flow Rate (gpm)	Velocity (fps)	Direction	Source Fraction (%)					
					PRC	EOCF#2	OCF	NB Wells	Mesa	Total
East Orange County Feeder # 2 - Reach 'A'	72	52,135	4.11	+ South	-	100	-	-	-	100
East Orange County Feeder # 2 - Reach 'B'	54	15,395	2.16	+ South	-	100	-	-	-	100
East Orange County Feeder # 2 - Reach 'C'	54	9,503	1.33	+ South	-	100	-	-	-	100
Irvine Cross Feeder	53	5,706	0.83	+ West	-	100	-	-	-	100
Orange County Feeder - Reach 'A'	36	0	0.00	+ North	-	-	-	-	-	-
Orange County Feeder - Reach 'B'	36	1,178	0.37	+ North	-	100	-	-	-	100
Orange County Feeder - Reach 'C'	36	1,275	0.40	+ North	-	100	-	-	-	100
Orange County Feeder - Reach 'D'	36	3,457	1.09	+ North	-	100	-	-	-	100
Orange County Feeder - Reach 'E'	36	1,276	0.40	+ North	-	100	-	-	-	100
OC-44 Line - Reach 'A'	42	3,205	0.74	+ West	-	100	-	-	-	100
OC-44 Line - Reach 'B'	42	3,205	0.74	+ West	-	100	-	-	-	100
OC-44 Line - Reach 'C'	36	3,205	1.01	+ West	-	100	-	-	-	100
OC-44 Line - Reach 'D'	30	3,205	1.45	+ West	-	100	-	-	-	100
OC-44 Line - Reach 'E'	24	2,480	1.76	+ West	-	100	-	-	-	100
OC-44 Line - Reach 'F'	24	2,480	1.76	+ West	-	100	-	-	-	100
OC-44 Line - Reach 'G'	24	2,480	1.76	+ West	-	100	-	-	-	100
Coast Supply Line - Reach 'A'	27	1,276	0.72	+ South	-	100	-	-	-	100
Coast Supply Line - Reach 'B'	27	1,178	0.66	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach 'A'	60	29,444	3.34	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach 'B'	60	14,316	1.62	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach 'C'	42	13,423	3.11	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach 'D'	36	12,803	4.04	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach 'E'	36	6,046	1.91	+ South	-	100	-	-	-	100
Tri-Cities Transmission Main - Reach 'F'	24	2,827	2.01	+ South	-	100	-	-	-	100
Autlenkamp Transmission Main - Reach 'A'	42	7,296	1.69	+ South	-	100	-	-	-	100
Autlenkamp Transmission Main - Reach 'B'	42	3,466	0.80	+ South	-	100	-	-	-	100
Autlenkamp Transmission Main - Reach 'C'	36	2,784	0.88	+ South	-	100	-	-	-	100
Autlenkamp Transmission Main - Reach 'D'	36	955	0.30	+ South	-	100	-	-	-	100
Newport Beach Wells Supply Line-Reach 'A'	36	9,027	2.85	+ South	-	-	-	100	-	100
Newport Beach Wells Supply Line-Reach 'B'	30	9,027	4.10	+ South	-	-	-	100	-	100
Poseidon Pipeline (Proposed) - Reach 'A'	48	0	0.00	+ East	-	-	-	-	-	-
Poseidon Pipeline (Proposed) - Reach 'B'	48	0	0.00	+ East	-	-	-	-	-	-
Poseidon Pipeline (Proposed) - Reach 'C'	48	0	0.00	+ East	-	-	-	-	-	-

Table 2-1
 Water Supply and Demand Summary - Average Demands
 Preliminary Analysis of Delivery Options - Poseidon Resources

Scenario Number: 2
 Model Name: Avg Demds
 PRC Production: 50 MGD
 CWTF: NO
 Planning Year: 2010

Water Customers	Water Suppliers (MGD)						Total Demands
	PRC	EOCF#2	OCF	NB Wells	Mesa	OCWD	
El Toro WD	0.67	0.62	-	-	-	-	1.29
Huntington Beach	3.57	-	-	-	-	-	3.57
Irvine Ranch WD	25.53	12.94	-	-	-	-	38.47
Laguna Beach County WD	3.16	1.17	-	-	-	-	4.33
Mesa Consolidated WD	1.04	-	-	-	-	-	1.04
Moulton Niguel WD	5.04	4.69	-	-	-	-	9.73
Newport Beach	4.69	-	-	13.00	-	-	17.69
San Clemente	2.11	1.96	-	-	-	-	4.07
San Juan Capistrano	0.46	0.43	-	-	-	-	0.89
Santa Margarita WD	0.55	0.44	-	-	-	-	0.98
South Coast WD	3.17	2.84	-	-	-	-	6.01
Total Supplies	50.00	25.08	-	13.00	-	-	88.08

Modeling Results

Pipeline	Dia (in)	Flow Rate (MGD)	Velocity (fps)	Direction	Source Fraction (%)					Total
					PRC	EOCF#2	OCF	NB Wells	Mesa	
East Orange County Feeder # 2 - Reach "A"	72	25.08	1.37	+ South	-	100	-	-	-	100
East Orange County Feeder # 2 - Reach "B"	54	27.83	2.71	- North	100	-	-	-	-	100
East Orange County Feeder # 2 - Reach "C"	54	36.31	3.53	- North	100	-	-	-	-	100
Irvine Cross Feeder	53	8.22	0.83	+ West	100	-	-	-	-	100
Orange County Feeder - Reach "A"	36	0.00	0.00	+ North	-	-	-	-	-	-
Orange County Feeder - Reach "B"	36	1.70	0.37	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "C"	36	1.84	0.40	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "D"	36	4.98	1.09	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "E"	36	1.84	0.40	+ North	100	-	-	-	-	100
OC-44 Line - Reach "A"	42	45.38	7.30	- East	100	-	-	-	-	100
OC-44 Line - Reach "B"	42	45.38	7.30	- East	100	-	-	-	-	100
OC-44 Line - Reach "C"	36	4.62	1.01	+ West	100	-	-	-	-	100
OC-44 Line - Reach "D"	30	4.62	1.45	+ West	100	-	-	-	-	100
OC-44 Line - Reach "E"	24	3.57	1.76	+ West	100	-	-	-	-	100
OC-44 Line - Reach "F"	24	3.57	1.76	+ West	100	-	-	-	-	100
OC-44 Line - Reach "G"	24	3.57	1.76	+ West	100	-	-	-	-	100
Coast Supply Line - Reach "A"	27	1.84	0.72	+ South	100	-	-	-	-	100
Coast Supply Line - Reach "B"	27	1.70	0.66	+ South	100	-	-	-	-	100
Tri-Cities Transmission Main - Reach "A"	60	42.40	3.34	+ South	52	48	-	-	-	100
Tri-Cities Transmission Main - Reach "B"	60	20.62	1.62	+ South	52	48	-	-	-	100
Tri-Cities Transmission Main - Reach "C"	42	19.33	3.11	+ South	52	48	-	-	-	100
Tri-Cities Transmission Main - Reach "D"	36	18.44	4.04	+ South	52	48	-	-	-	100
Tri-Cities Transmission Main - Reach "E"	36	8.71	1.91	+ South	52	48	-	-	-	100
Tri-Cities Transmission Main - Reach "F"	24	4.07	2.01	+ South	52	48	-	-	-	100
Auldencamp Transmission Main - Reach "A"	42	10.51	1.69	+ South	56	44	-	-	-	100
Auldencamp Transmission Main - Reach "B"	42	4.99	0.80	+ South	56	44	-	-	-	100
Auldencamp Transmission Main - Reach "C"	36	4.01	0.88	+ South	56	44	-	-	-	100
Auldencamp Transmission Main - Reach "D"	36	1.38	0.30	+ South	56	44	-	-	-	100
Newport Beach Wells Supply Line-Reach "A"	36	13.00	2.85	+ South	-	-	-	100	-	100
Newport Beach Wells Supply Line-Reach "B"	30	13.00	4.10	+ South	-	-	-	100	-	100
Poseidon Pipeline (Proposed) - Reach "A"	48	50.00	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach "B"	48	50.00	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach "C"	48	50.00	6.16	+ East	100	-	-	-	-	100

Table 2-2
 Water Supply and Demand Summary - Average Demands
 Preliminary Analysis of Delivery Options - Poseidon Resources

Scenario Number: 2
 Model Name: Avg Dmds
 PRC Production: 60 MGD
 CWTF: NO
 Planning Year: 2010

Water Customers	Water Suppliers (cfs)						
	PRC	EOCF#2	OCF	NB Wells	Mesa	OCWD	Total Demands
El Toro WD	1.03	0.96	-	-	-	-	1.99
Huntington Beach	5.53	-	-	-	-	-	5.53
Irvine Ranch WD	39.51	20.02	-	-	-	-	59.53
Laguna Beach County WD	4.89	1.81	-	-	-	-	6.70
Mesa Consolidated WD	1.62	-	-	-	-	-	1.62
Moulton Niguel WD	7.80	7.25	-	-	-	-	15.06
Newport Beach	7.25	-	-	20.12	-	-	27.37
San Clemente	3.26	3.03	-	-	-	-	6.30
San Juan Capistrano	0.72	0.67	-	-	-	-	1.38
Santa Margarita WD	0.85	0.67	-	-	-	-	1.52
South Coast WD	4.90	4.40	-	-	-	-	9.30
Total Supplies	77.36	38.81	-	20.12	-	-	136.29

Modeling Results

Pipeline	Dia (in)	Flow Rate (cfs)	Velocity (fps)	Direction	Source Fraction (%)					
					PRC	EOCF#2	OCF	NB Wells	Mesa	Total
East Orange County Feeder # 2 - Reach 'A'	72	38.81	1.37	+ South	-	100	-	-	-	100
East Orange County Feeder # 2 - Reach 'B'	54	43.06	2.71	- North	100	-	-	-	-	100
East Orange County Feeder # 2 - Reach 'C'	54	56.19	3.53	- North	100	-	-	-	-	100
Irvine Cross Feeder	53	12.72	0.83	+ West	100	-	-	-	-	100
Orange County Feeder - Reach 'A'	36	0.00	0.00	+ North	-	-	-	-	-	-
Orange County Feeder - Reach 'B'	36	2.62	0.37	+ North	100	-	-	-	-	100
Orange County Feeder - Reach 'C'	36	2.84	0.40	+ North	100	-	-	-	-	100
Orange County Feeder - Reach 'D'	36	7.70	1.09	+ North	100	-	-	-	-	100
Orange County Feeder - Reach 'E'	36	2.84	0.40	+ North	100	-	-	-	-	100
OC-44 Line - Reach 'A'	42	70.22	7.30	- East	100	-	-	-	-	100
OC-44 Line - Reach 'B'	42	70.22	7.30	- East	100	-	-	-	-	100
OC-44 Line - Reach 'C'	36	7.14	1.01	+ West	100	-	-	-	-	100
OC-44 Line - Reach 'D'	30	7.14	1.45	+ West	100	-	-	-	-	100
OC-44 Line - Reach 'E'	24	5.53	1.76	+ West	100	-	-	-	-	100
OC-44 Line - Reach 'F'	24	5.53	1.76	+ West	100	-	-	-	-	100
OC-44 Line - Reach 'G'	24	5.53	1.76	+ West	100	-	-	-	-	100
Coast Supply Line - Reach 'A'	27	2.84	0.72	+ South	100	-	-	-	-	100
Coast Supply Line - Reach 'B'	27	2.62	0.66	+ South	100	-	-	-	-	100
Tri-Cities Transmission Main - Reach 'A'	60	65.61	3.34	+ South	52	48	-	-	-	100
Tri-Cities Transmission Main - Reach 'B'	60	31.90	1.62	+ South	52	48	-	-	-	100
Tri-Cities Transmission Main - Reach 'C'	42	29.91	3.11	+ South	52	48	-	-	-	100
Tri-Cities Transmission Main - Reach 'D'	36	28.53	4.04	+ South	52	48	-	-	-	100
Tri-Cities Transmission Main - Reach 'E'	36	13.47	1.91	+ South	52	48	-	-	-	100
Tri-Cities Transmission Main - Reach 'F'	24	6.30	2.01	+ South	52	48	-	-	-	100
Autlenkamp Transmission Main - Reach 'A'	42	16.26	1.69	+ South	56	44	-	-	-	100
Autlenkamp Transmission Main - Reach 'B'	42	7.72	0.80	+ South	56	44	-	-	-	100
Autlenkamp Transmission Main - Reach 'C'	36	6.20	0.88	+ South	56	44	-	-	-	100
Autlenkamp Transmission Main - Reach 'D'	36	2.13	0.30	+ South	56	44	-	-	-	100
Newport Beach Wells Supply Line-Reach 'A'	36	20.11	2.85	+ South	-	-	-	100	-	100
Newport Beach Wells Supply Line-Reach 'B'	30	20.11	4.10	+ South	-	-	-	100	-	100
Poseidon Pipeline (Proposed) - Reach 'A'	48	77.36	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach 'B'	48	77.36	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach 'C'	48	77.36	6.16	+ East	100	-	-	-	-	100

Table 2-3
 Water Supply and Demand Summary - Average Demands
 Preliminary Analysis of Delivery Options - Poseidon Resources

Scenario Number: 2
 Model Name: Avg Dmds
 PRC Production: 50 MGD

Water Customers	Water Suppliers (gpm)							Total Demands
	PRC	EOCF#2	OCF	NB Wells	Mesa	OCWD		
El Toro WD	463	430	-	-	-	-	893	
Huntington Beach	2,480	-	-	-	-	-	2,480	
Irvine Ranch WD	17,731	8,985	-	-	-	-	26,716	
Laguna Beach County WD	2,196	811	-	-	-	-	3,007	
Mesa Consolidated WD	725	-	-	-	-	-	725	
Moulton Niguel WD	3,502	3,255	-	-	-	-	6,757	
Newport Beach	3,255	-	-	9,029	-	-	12,284	
San Clemente	1,465	1,362	-	-	-	-	2,827	
San Juan Capistrano	321	299	-	-	-	-	620	
Santa Margarita WD	380	302	-	-	-	-	682	
South Coast WD	2,200	1,974	-	-	-	-	4,174	
Total Supplies	34,719	17,417	-	9,029	-	-	61,165	

CWTF: NO
 Planning Year: 2010

Modeling Results

Pipeline	Dia (In)	Flow Rate (gpm)	Velocity (fps)	Direction	Source Fraction (%)					
					PRC	EOCF#2	OCF	NB Wells	Mesa	Total
East Orange County Feeder # 2 - Reach "A"	72	17,416	1.37	+ South	-	100	-	-	-	100
East Orange County Feeder # 2 - Reach "B"	54	19,324	2.71	- North	100	-	-	-	-	100
East Orange County Feeder # 2 - Reach "C"	54	25,216	3.53	- North	100	-	-	-	-	100
Irvine Cross Feeder	53	5,708	0.83	+ West	100	-	-	-	-	100
Orange County Feeder - Reach "A"	36	0	0.00	+ North	-	-	-	-	-	-
Orange County Feeder - Reach "B"	36	1,178	0.37	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "C"	36	1,275	0.40	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "D"	36	3,457	1.09	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "E"	36	1,276	0.40	+ North	100	-	-	-	-	100
OC-44 Line - Reach "A"	42	31,515	7.30	- East	100	-	-	-	-	100
OC-44 Line - Reach "B"	42	31,515	7.30	- East	100	-	-	-	-	100
OC-44 Line - Reach "C"	36	3,205	1.01	+ West	100	-	-	-	-	100
OC-44 Line - Reach "D"	30	3,205	1.45	+ West	100	-	-	-	-	100
OC-44 Line - Reach "E"	24	2,480	1.76	+ West	100	-	-	-	-	100
OC-44 Line - Reach "F"	24	2,480	1.76	+ West	100	-	-	-	-	100
OC-44 Line - Reach "G"	24	2,480	1.76	+ West	100	-	-	-	-	100
Coast Supply Line - Reach "A"	27	1,276	0.72	+ South	100	-	-	-	-	100
Coast Supply Line - Reach "B"	27	1,178	0.66	+ South	100	-	-	-	-	100
Tr-Cities Transmission Main - Reach "A"	60	29,444	3.34	+ South	52	48	-	-	-	100
Tr-Cities Transmission Main - Reach "B"	60	14,316	1.62	+ South	52	48	-	-	-	100
Tr-Cities Transmission Main - Reach "C"	42	13,423	3.11	+ South	52	48	-	-	-	100
Tr-Cities Transmission Main - Reach "D"	36	12,803	4.04	+ South	52	48	-	-	-	100
Tr-Cities Transmission Main - Reach "E"	36	6,046	1.91	+ South	52	48	-	-	-	100
Tr-Cities Transmission Main - Reach "F"	24	2,827	2.01	+ South	52	48	-	-	-	100
Audubon Transmission Main - Reach "A"	42	7,296	1.69	+ South	56	44	-	-	-	100
Audubon Transmission Main - Reach "B"	42	3,466	0.80	+ South	56	44	-	-	-	100
Audubon Transmission Main - Reach "C"	36	2,784	0.88	+ South	56	44	-	-	-	100
Audubon Transmission Main - Reach "D"	36	955	0.30	+ South	56	44	-	-	-	100
Newport Beach Wells Supply Line-Reach "A"	36	9,027	2.85	+ South	-	-	-	100	-	100
Newport Beach Wells Supply Line-Reach "B"	30	9,027	4.10	+ South	-	-	-	100	-	100
Poseidon Pipeline (Proposed) - Reach "A"	48	34,720	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach "B"	48	34,720	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach "C"	48	34,720	6.16	+ East	100	-	-	-	-	100

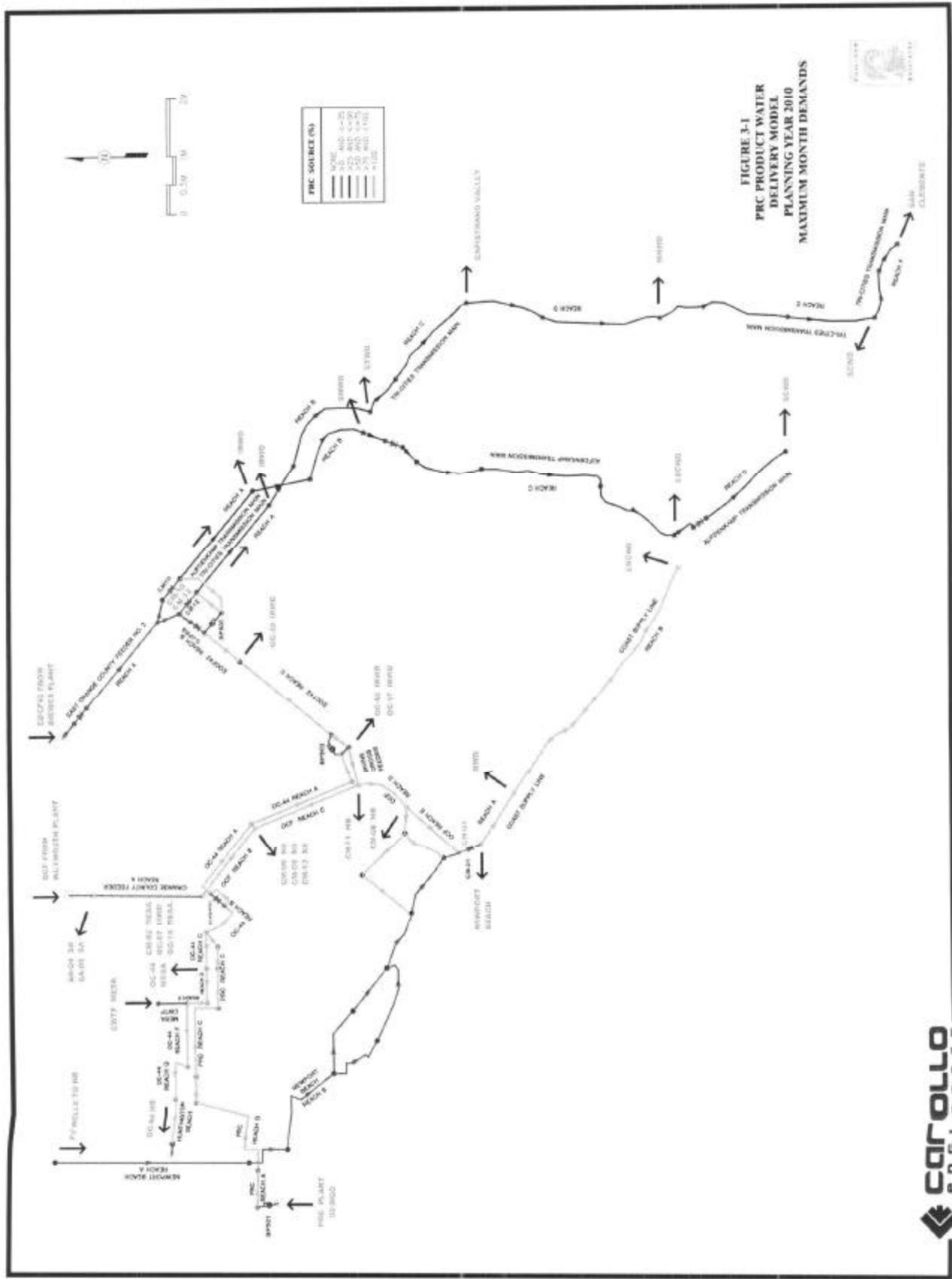


FIGURE 3-1
 PRC PRODUCT WATER
 DELIVERY MODEL
 PLANNING YEAR 2010
 MAXIMUM MONTH DEMANDS

Table 3-1
 Water Supply and Demand Summary - Maximum Month Demands
 Preliminary Analysis of Delivery Options - Poseidon Resources

Scenario Number: 3
 Model Name: Max Dmnds
 PRC Production: 50 MGD

CWTF: NO
 Planning Year: 2010

Water Customers	Water Suppliers (MGD)							Total Demands
	PRC	EOCF#2	OCF	NB Wells	Mesa	OCWD		
El Toro WD	0.44	1.19	-	-	-	-	1.63	
Huntington Beach	4.54	-	-	-	-	-	4.54	
Irvine Ranch WD	23.65	25.21	-	-	-	-	48.86	
Laguna Beach County WD	3.12	2.38	-	-	-	-	5.50	
Mesa Consolidated WD	1.33	-	-	-	-	-	1.33	
Moulton Niguel WD	3.33	9.03	-	-	-	-	12.36	
Newport Beach	9.46	-	-	13.00	-	-	22.46	
San Clemente	1.39	3.78	-	-	-	-	5.17	
San Juan Capistrano	0.30	0.83	-	-	-	-	1.13	
Santa Margarita WD	0.36	0.89	-	-	-	-	1.25	
South Coast WD	2.09	5.55	-	-	-	-	7.63	
Total Supplies	50.00	48.86	-	13.00	-	-	111.86	

Modeling Results

Pipeline	Dia (In)	Flow Rate (MGD)	Velocity (fps)	Direction	Source Fraction (%)					
					PRC	EOCF#2	OCF	NB Wells	Mesa	Total
East Orange County Feeder # 2 - Reach "A"	72	48.86	2.67	+ South	-	100	-	-	-	100
East Orange County Feeder # 2 - Reach "B"	54	18.33	1.78	+ North	100	-	-	-	-	100
East Orange County Feeder # 2 - Reach "C"	54	29.11	2.83	- North	100	-	-	-	-	100
Irvine Cross Feeder	53	13.95	1.41	+ West	100	-	-	-	-	100
Orange County Feeder - Reach "A"	36	0.00	0.00	+ North	-	-	-	-	-	-
Orange County Feeder - Reach "B"	36	2.15	0.47	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "C"	36	2.33	0.51	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "D"	36	9.83	2.15	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "E"	36	2.33	0.51	+ North	100	-	-	-	-	100
OC-44 Line - Reach "A"	42	44.14	7.10	- East	100	-	-	-	-	100
OC-44 Line - Reach "B"	42	44.14	7.10	- East	100	-	-	-	-	100
OC-44 Line - Reach "C"	36	5.86	1.28	+ West	100	-	-	-	-	100
OC-44 Line - Reach "D"	30	5.86	1.85	+ West	100	-	-	-	-	100
OC-44 Line - Reach "E"	24	4.54	2.23	+ West	100	-	-	-	-	100
OC-44 Line - Reach "F"	24	4.54	2.23	+ West	100	-	-	-	-	100
OC-44 Line - Reach "G"	24	4.54	2.23	+ West	100	-	-	-	-	100
Coast Supply Line - Reach "A"	27	2.33	0.91	+ South	100	-	-	-	-	100
Coast Supply Line - Reach "B"	27	2.15	0.84	+ South	100	-	-	-	-	100
Tri-Cities Transmission Main - Reach "A"	60	53.85	4.24	+ South	27	73	-	-	-	100
Tri-Cities Transmission Main - Reach "B"	60	26.18	2.06	+ South	27	73	-	-	-	100
Tri-Cities Transmission Main - Reach "C"	42	24.55	3.95	+ South	27	73	-	-	-	100
Tri-Cities Transmission Main - Reach "D"	36	23.42	5.13	+ South	27	73	-	-	-	100
Tri-Cities Transmission Main - Reach "E"	36	11.06	2.42	+ South	27	73	-	-	-	100
Tri-Cities Transmission Main - Reach "F"	24	5.17	2.55	+ South	27	73	-	-	-	100
Alderikamp Transmission Main - Reach "A"	42	13.34	2.15	+ South	29	71	-	-	-	100
Alderikamp Transmission Main - Reach "B"	42	6.34	1.02	+ South	29	71	-	-	-	100
Alderikamp Transmission Main - Reach "C"	36	5.09	1.11	+ South	29	71	-	-	-	100
Alderikamp Transmission Main - Reach "D"	36	1.75	0.38	+ South	29	71	-	-	-	100
Newport Beach Wells Supply Line-Reach "A"	36	13.00	2.85	+ South	-	-	-	100	-	100
Newport Beach Wells Supply Line-Reach "B"	30	13.00	4.10	+ South	-	-	-	100	-	100
Poseidon Pipeline (Proposed) - Reach "A"	48	50.00	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach "B"	48	50.00	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach "C"	48	50.00	6.16	+ East	100	-	-	-	-	100

Table 3-2
 Water Supply and Demand Summary - Maximum Month Demands
 Preliminary Analysis of Delivery Options - Poseidon Resources

Scenario Number: 3
 Model Name: Max Dmds
 PRC Production: 50 MGD

Water Customers	Water Suppliers (cfs)							Total Demands
	PRC	EOCF#2	OCF	NB Wells	Mesa	OCWD		
El Toro WD	0.68	1.85	-	-	-	-	2.53	
Huntington Beach	7.02	-	-	-	-	-	7.02	
Irvine Ranch WD	36.59	39.01	-	-	-	-	75.60	
Laguna Beach County WD	4.82	3.69	-	-	-	-	8.51	
Mesa Consolidated WD	2.05	-	-	-	-	-	2.05	
Moulton Niguel WD	5.15	13.97	-	-	-	-	19.12	
Newport Beach	14.64	-	-	20.12	-	-	34.76	
San Clemente	2.15	5.85	-	-	-	-	8.00	
San Juan Capistrano	0.47	1.28	-	-	-	-	1.75	
Santa Margarita WD	0.56	1.37	-	-	-	-	1.93	
South Coast WD	3.23	8.58	-	-	-	-	11.81	
Total Supplies	77.36	75.60	-	20.12	-	-	173.08	

CWTF: NO
 Planning Year: 2010

Modeling Results

Pipeline	Dia (In)	Flow Rate (cfs)	Velocity (fps)	Direction	Source Fraction (%)					
					PRC	EOCF#2	OCF	NB Wells	Mesa	Total
East Orange County Feeder # 2 - Reach "A"	72	75.60	2.67	+ South	-	100	-	-	-	100
East Orange County Feeder # 2 - Reach "B"	54	28.37	1.78	- North	100	-	-	-	-	100
East Orange County Feeder # 2 - Reach "C"	54	45.04	2.83	- North	100	-	-	-	-	100
Irvine Cross Feeder	53	21.58	1.41	+ West	100	-	-	-	-	100
Orange County Feeder - Reach "A"	36	0.00	0.00	+ North	-	-	-	-	-	-
Orange County Feeder - Reach "B"	36	3.33	0.47	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "C"	36	3.61	0.51	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "D"	36	15.21	2.15	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "E"	36	3.61	0.51	+ North	100	-	-	-	-	100
OC-44 Line - Reach "A"	42	68.29	7.10	- East	100	-	-	-	-	100
OC-44 Line - Reach "B"	42	68.29	7.10	- East	100	-	-	-	-	100
OC-44 Line - Reach "C"	36	9.07	1.28	+ West	100	-	-	-	-	100
OC-44 Line - Reach "D"	30	9.07	1.85	+ West	100	-	-	-	-	100
OC-44 Line - Reach "E"	24	7.02	2.23	+ West	100	-	-	-	-	100
OC-44 Line - Reach "F"	24	7.02	2.23	+ West	100	-	-	-	-	100
OC-44 Line - Reach "G"	24	7.02	2.23	+ West	100	-	-	-	-	100
Coast Supply Line - Reach "A"	27	3.61	0.91	+ South	100	-	-	-	-	100
Coast Supply Line - Reach "B"	27	3.33	0.84	+ South	100	-	-	-	-	100
Tr-Cities Transmission Main - Reach "A"	60	83.32	4.24	+ South	27	73	-	-	-	100
Tr-Cities Transmission Main - Reach "B"	60	40.51	2.06	+ South	27	73	-	-	-	100
Tr-Cities Transmission Main - Reach "C"	42	37.98	3.95	+ South	27	73	-	-	-	100
Tr-Cities Transmission Main - Reach "D"	36	36.23	5.13	+ South	27	73	-	-	-	100
Tr-Cities Transmission Main - Reach "E"	36	17.11	2.42	+ South	27	73	-	-	-	100
Tr-Cities Transmission Main - Reach "F"	24	8.00	2.55	+ South	27	73	-	-	-	100
Aulderramp Transmission Main - Reach "A"	42	20.65	2.15	+ South	29	71	-	-	-	100
Aulderramp Transmission Main - Reach "B"	42	9.81	1.02	+ South	29	71	-	-	-	100
Aulderramp Transmission Main - Reach "C"	36	7.88	1.11	+ South	29	71	-	-	-	100
Aulderramp Transmission Main - Reach "D"	36	2.70	0.38	+ South	29	71	-	-	-	100
Newport Beach Wells Supply Line-Reach "A"	36	20.11	2.85	+ South	-	-	-	100	-	100
Newport Beach Wells Supply Line-Reach "B"	30	20.11	4.10	+ South	-	-	-	100	-	100
Poseidon Pipeline (Proposed) - Reach "A"	48	77.36	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach "B"	48	77.36	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach "C"	48	77.36	6.16	+ East	100	-	-	-	-	100

Table 3-3
 Water Supply and Demand Summary - Maximum Month Demands
 Preliminary Analysis of Delivery Options - Poseidon Resources

Scenario Number: 3
 Model Name: Max Dmds
 PRC Production: 50 MGD

CWTF: NO
 Planning Year: 2010

Water Customers	Water Suppliers (gpm)						Total Demands
	PRC	EOCF#2	OCF	NB Wells	Mesa	OCWD	
El Toro WD	305	829	-	-	-	-	1,134
Huntington Beach	3,150	-	-	-	-	-	3,150
Irvine Ranch WD	16,423	17,506	-	-	-	-	33,929
Laguna Beach County WD	2,165	1,654	-	-	-	-	3,819
Mesa Consolidated WD	921	-	-	-	-	-	921
Moulton Niguel WD	2,309	6,272	-	-	-	-	8,581
Newport Beach	6,571	-	-	9,028	-	-	15,599
San Clemente	966	2,624	-	-	-	-	3,590
San Juan Capistrano	212	575	-	-	-	-	787
Santa Margarita WD	249	617	-	-	-	-	866
South Coast WD	1,449	3,852	-	-	-	-	5,301
Total Supplies	34,720	33,929	-	9,028	-	-	77,677

Modeling Results

Pipeline	Dia (In)	Flow Rate (gpm)	Velocity (fps)	Direction	Source Fraction (%)					Total
					PRC	EOCF#2	OCF	NB Wells	Mesa	
East Orange County Feeder # 2 - Reach "A"	72	33,929	2.67	+ South	-	100	-	-	-	100
East Orange County Feeder # 2 - Reach "B"	54	12,731	1.78	- North	100	-	-	-	-	100
East Orange County Feeder # 2 - Reach "C"	54	20,214	2.83	- North	100	-	-	-	-	100
Irvine Cross Feeder	53	9,687	1.41	+ West	100	-	-	-	-	100
Orange County Feeder - Reach "A"	36	0	0.00	+ North	-	-	-	-	-	-
Orange County Feeder - Reach "B"	36	1,496	0.47	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "C"	36	1,619	0.51	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "D"	36	6,828	2.15	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "E"	36	1,621	0.51	+ North	100	-	-	-	-	100
OC-44 Line - Reach "A"	42	30,650	7.10	- East	100	-	-	-	-	100
OC-44 Line - Reach "B"	42	30,650	7.10	- East	100	-	-	-	-	100
OC-44 Line - Reach "C"	36	4,070	1.28	+ West	100	-	-	-	-	100
OC-44 Line - Reach "D"	30	4,070	1.85	+ West	100	-	-	-	-	100
OC-44 Line - Reach "E"	24	3,150	2.23	+ West	100	-	-	-	-	100
OC-44 Line - Reach "F"	24	3,150	2.23	+ West	100	-	-	-	-	100
OC-44 Line - Reach "G"	24	3,150	2.23	+ West	100	-	-	-	-	100
Coast Supply Line - Reach "A"	27	1,521	0.91	+ South	100	-	-	-	-	100
Coast Supply Line - Reach "B"	27	1,496	0.84	+ South	100	-	-	-	-	100
Tri-Cities Transmission Main - Reach "A"	60	37,394	4.24	+ South	27	73	-	-	-	100
Tri-Cities Transmission Main - Reach "B"	60	18,181	2.06	+ South	27	73	-	-	-	100
Tri-Cities Transmission Main - Reach "C"	42	17,047	3.95	+ South	27	73	-	-	-	100
Tri-Cities Transmission Main - Reach "D"	36	16,260	5.13	+ South	27	73	-	-	-	100
Tri-Cities Transmission Main - Reach "E"	36	7,678	2.42	+ South	27	73	-	-	-	100
Tri-Cities Transmission Main - Reach "F"	24	3,590	2.55	+ South	27	73	-	-	-	100
Autlerkamp Transmission Main - Reach "A"	42	9,266	2.15	+ South	29	71	-	-	-	100
Autlerkamp Transmission Main - Reach "B"	42	4,402	1.02	+ South	29	71	-	-	-	100
Autlerkamp Transmission Main - Reach "C"	36	3,536	1.11	+ South	29	71	-	-	-	100
Autlerkamp Transmission Main - Reach "D"	36	1,213	0.38	+ South	29	71	-	-	-	100
Newport Beach Wells Supply Line-Reach "A"	36	9,027	2.85	+ South	-	-	-	100	-	100
Newport Beach Wells Supply Line-Reach "B"	30	9,027	4.10	+ South	-	-	-	100	-	100
Poseidon Pipeline (Proposed) - Reach "A"	48	34,720	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach "B"	48	34,720	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach "C"	48	34,720	6.16	+ East	100	-	-	-	-	100

Table 4-1
Water Supply and Demand Summary - Minimum Month Demands
Preliminary Analysis of Delivery Options - Poseidon Resources

Scenario Number: 4
 Model Name: Min Dmds
 PRC Production: 60 MGD
 CWTF: NO
 Planning Year: 2010

Water Customers	Water Suppliers (MGD)							Total Demands
	PRC	EOCF#2	OCF	NB Wells	Mesa	OCWD		
El Toro WD	0.85	0.13	-	-	-	-	0.98	
Huntington Beach	2.71	-	-	-	-	-	2.71	
Irvine Ranch WD	26.83	2.41	-	-	-	-	29.24	
Laguna Beach County WD	3.18	0.11	-	-	-	-	3.29	
Mesa Consolidated WD	0.79	-	-	-	-	-	0.79	
Moulton Niguel WD	6.42	0.97	-	-	-	-	7.39	
Newport Beach	1.18	-	-	12.27	-	-	13.44	
San Clemente	2.69	0.41	-	-	-	-	3.09	
San Juan Capistrano	0.59	0.09	-	-	-	-	0.68	
Santa Margarita WD	0.71	0.04	-	-	-	-	0.75	
South Coast WD	4.05	0.52	-	-	-	-	4.57	
Total Supplies	50.00	4.67	-	12.27	-	-	66.94	

Modeling Results

Pipeline	Dia (In)	Flow Rate (MGD)	Velocity (fps)	Direction	Source Fraction (%)					Total
					PRC	EOCF#2	OCF	NB Wells	Mesa	
East Orange County Feeder # 2 - Reach "A"	72	4.67	0.26	+ South	-	100	-	-	-	100
East Orange County Feeder # 2 - Reach "B"	54	35.54	3.46	- North	100	-	-	-	-	100
East Orange County Feeder # 2 - Reach "C"	54	41.99	4.08	- North	100	-	-	-	-	100
Irvine Cross Feeder	53	3.86	0.39	+ West	100	-	-	-	-	100
Orange County Feeder - Reach "A"	36	0.00	0.00	+ North	-	-	-	-	-	-
Orange County Feeder - Reach "B"	36	1.29	0.28	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "C"	36	1.40	0.31	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "D"	36	1.40	0.31	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "E"	36	1.40	0.31	+ North	100	-	-	-	-	100
OC-44 Line - Reach "A"	42	46.49	7.48	- East	100	-	-	-	-	100
OC-44 Line - Reach "B"	42	46.49	7.48	- East	100	-	-	-	-	100
OC-44 Line - Reach "C"	36	3.51	0.77	+ West	100	-	-	-	-	100
OC-44 Line - Reach "D"	30	3.51	1.11	+ West	100	-	-	-	-	100
OC-44 Line - Reach "E"	24	2.71	1.34	+ West	100	-	-	-	-	100
OC-44 Line - Reach "F"	24	2.71	1.34	+ West	100	-	-	-	-	100
OC-44 Line - Reach "G"	24	2.71	1.34	+ West	100	-	-	-	-	100
Coast Supply Line - Reach "A"	27	1.40	0.54	+ South	100	-	-	-	-	100
Coast Supply Line - Reach "B"	27	1.29	0.50	+ South	100	-	-	-	-	100
Tri-Cities Transmission Main - Reach "A"	60	32.22	2.54	+ South	87	13	-	-	-	100
Tri-Cities Transmission Main - Reach "B"	60	15.67	1.23	+ South	87	13	-	-	-	100
Tri-Cities Transmission Main - Reach "C"	42	14.69	2.36	+ South	87	13	-	-	-	100
Tri-Cities Transmission Main - Reach "D"	36	14.01	3.07	+ South	87	13	-	-	-	100
Tri-Cities Transmission Main - Reach "E"	36	6.62	1.45	+ South	87	13	-	-	-	100
Tri-Cities Transmission Main - Reach "F"	24	3.09	1.52	+ South	87	13	-	-	-	100
Aufderkamp Transmission Main - Reach "A"	42	7.99	1.28	+ South	95	5	-	-	-	100
Aufderkamp Transmission Main - Reach "B"	42	3.79	0.61	+ South	95	5	-	-	-	100
Aufderkamp Transmission Main - Reach "C"	36	3.05	0.67	+ South	95	5	-	-	-	100
Aufderkamp Transmission Main - Reach "D"	36	1.05	0.23	+ South	95	5	-	-	-	100
Newport Beach Wells Supply Line-Reach "A"	36	12.27	2.69	+ South	-	-	-	100	-	100
Newport Beach Wells Supply Line-Reach "B"	30	12.27	3.87	+ South	-	-	-	100	-	100
Poseidon Pipeline (Proposed) - Reach "A"	48	50.00	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach "B"	48	50.00	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach "C"	48	50.00	6.16	+ East	100	-	-	-	-	100

Table 4-2
 Water Supply and Demand Summary - Minimum Month Demands
 Preliminary Analysis of Delivery Options - Poseidon Resources

Scenario Number: 4
 Model Name: Min Demds
 PRC Production: 50 MGD
 CWTF: NO
 Planning Year: 2010

Water Customers	Water Suppliers (cfs)						
	PRC	EOCF#2	OCF	NB Wells	Mesa	OCWD	Total Demands
El Toro WD	1.31	0.20	-	-	-	-	1.51
Huntington Beach	4.20	-	-	-	-	-	4.20
Irvine Ranch WD	41.52	3.72	-	-	-	-	45.24
Laguna Beach County WD	4.92	0.17	-	-	-	-	5.09
Mesa Consolidated WD	1.23	-	-	-	-	-	1.23
Moulton Niguel WD	9.94	1.50	-	-	-	-	11.44
Newport Beach	1.82	-	-	18.98	-	-	20.80
San Clemente	4.16	0.63	-	-	-	-	4.79
San Juan Capistrano	0.91	0.14	-	-	-	-	1.05
Santa Margarita WD	1.09	0.06	-	-	-	-	1.15
South Coast WD	6.26	0.80	-	-	-	-	7.07
Total Supplies	77.36	7.23	-	18.98	-	-	103.57

Modeling Results

Pipeline	Dia (in)	Flow Rate (cfs)	Velocity (fps)	Direction	Source Fraction (%)					
					PRC	EOCF#2	OCF	NB Wells	Mesa	Total
East Orange County Feeder # 2 - Reach 'A'	72	7.23	0.26	+ South	-	100	-	-	-	100
East Orange County Feeder # 2 - Reach 'B'	54	54.99	3.46	- North	100	-	-	-	-	100
East Orange County Feeder # 2 - Reach 'C'	54	64.96	4.08	- North	100	-	-	-	-	100
Irvine Cross Feeder	53	5.97	0.39	+ West	100	-	-	-	-	100
Orange County Feeder - Reach 'A'	36	0.00	0.00	+ North	-	-	-	-	-	-
Orange County Feeder - Reach 'B'	36	1.99	0.28	+ North	100	-	-	-	-	100
Orange County Feeder - Reach 'C'	36	2.16	0.31	+ North	100	-	-	-	-	100
Orange County Feeder - Reach 'D'	36	2.16	0.31	+ North	100	-	-	-	-	100
Orange County Feeder - Reach 'E'	36	2.16	0.31	+ North	100	-	-	-	-	100
OC-44 Line - Reach 'A'	42	71.94	7.48	- East	100	-	-	-	-	100
OC-44 Line - Reach 'B'	42	71.94	7.48	- East	100	-	-	-	-	100
OC-44 Line - Reach 'C'	36	5.43	0.77	+ West	100	-	-	-	-	100
OC-44 Line - Reach 'D'	30	5.43	1.11	+ West	100	-	-	-	-	100
OC-44 Line - Reach 'E'	24	4.20	1.34	+ West	100	-	-	-	-	100
OC-44 Line - Reach 'F'	24	4.20	1.34	+ West	100	-	-	-	-	100
OC-44 Line - Reach 'G'	24	4.20	1.34	+ West	100	-	-	-	-	100
Coast Supply Line - Reach 'A'	27	2.16	0.54	+ South	100	-	-	-	-	100
Coast Supply Line - Reach 'B'	27	1.99	0.50	+ South	100	-	-	-	-	100
Tri-Cities Transmission Main - Reach 'A'	60	49.86	2.54	+ South	87	13	-	-	-	100
Tri-Cities Transmission Main - Reach 'B'	60	24.24	1.23	+ South	87	13	-	-	-	100
Tri-Cities Transmission Main - Reach 'C'	42	22.73	2.36	+ South	87	13	-	-	-	100
Tri-Cities Transmission Main - Reach 'D'	36	21.68	3.07	+ South	87	13	-	-	-	100
Tri-Cities Transmission Main - Reach 'E'	36	10.24	1.45	+ South	87	13	-	-	-	100
Tri-Cities Transmission Main - Reach 'F'	24	4.79	1.52	+ South	87	13	-	-	-	100
Aufdenkamp Transmission Main - Reach 'A'	42	12.36	1.28	+ South	95	5	-	-	-	100
Aufdenkamp Transmission Main - Reach 'B'	42	5.87	0.61	+ South	95	5	-	-	-	100
Aufdenkamp Transmission Main - Reach 'C'	36	4.71	0.67	+ South	95	5	-	-	-	100
Aufdenkamp Transmission Main - Reach 'D'	36	1.62	0.23	+ South	95	5	-	-	-	100
Newport Beach Wells Supply Line-Reach 'A'	36	18.98	2.69	+ South	-	-	-	100	-	100
Newport Beach Wells Supply Line-Reach 'B'	30	18.98	3.87	+ South	-	-	-	100	-	100
Poseidon Pipeline (Proposed) - Reach 'A'	48	77.36	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach 'B'	48	77.36	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach 'C'	48	77.36	6.16	+ East	100	-	-	-	-	100

Table 4-3
 Water Supply and Demand Summary - Minimum Month Demands
 Preliminary Analysis of Delivery Options - Poseidon Resources

Scenario Number: 4
 Model Name: Min Dmnds
 PRC Production: 50 MGD
 CWTF: NO
 Planning Year: 2010

Water Customers	Water Suppliers (gpm)						Total Demands
	PRC	EOCF#2	OCF	NB Wells	Mesa	OCWD	
El Toro WD	590	89	-	-	-	-	679
Huntington Beach	1,885	-	-	-	-	-	1,885
Irvine Ranch WD	18,532	1,671	-	-	-	-	20,303
Laguna Beach County WD	2,209	78	-	-	-	-	2,285
Mesa Consolidated WD	551	-	-	-	-	-	551
Moulton Niguel WD	4,460	675	-	-	-	-	5,135
Newport Beach	816	-	-	8,518	-	-	9,334
San Clemente	1,866	283	-	-	-	-	2,149
San Juan Capistrano	409	62	-	-	-	-	471
Santa Margarita WD	490	28	-	-	-	-	518
South Coast WD	2,811	361	-	-	-	-	3,172
Total Supplies	34,719	3,245	-	8,518	-	-	46,482

Modeling Results

Pipeline	Dia (In)	Flow Rate (gpm)	Velocity (fps)	Direction	Source Fraction (%)					
					PRC	EOCF#2	OCF	NB Wells	Mesa	Total
East Orange County Feeder # 2 - Reach "A"	72	3,245	0.26	+ South	-	100	-	-	-	100
East Orange County Feeder # 2 - Reach "B"	54	24,678	3.46	- North	100	-	-	-	-	100
East Orange County Feeder # 2 - Reach "C"	54	29,156	4.08	- North	100	-	-	-	-	100
Irvine Cross Feeder	53	2,681	0.39	+ West	100	-	-	-	-	100
Orange County Feeder - Reach "A"	36	0	0.00	+ North	-	-	-	-	-	-
Orange County Feeder - Reach "B"	36	895	0.28	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "C"	36	969	0.31	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "D"	36	970	0.31	+ North	100	-	-	-	-	100
Orange County Feeder - Reach "E"	36	970	0.31	+ North	100	-	-	-	-	100
OC-44 Line - Reach "A"	42	32,285	7.48	- East	100	-	-	-	-	100
OC-44 Line - Reach "B"	42	32,285	7.48	- East	100	-	-	-	-	100
OC-44 Line - Reach "C"	36	2,435	0.77	+ West	100	-	-	-	-	100
OC-44 Line - Reach "D"	30	2,435	1.31	+ West	100	-	-	-	-	100
OC-44 Line - Reach "E"	24	1,884	1.34	+ West	100	-	-	-	-	100
OC-44 Line - Reach "F"	24	1,884	1.34	+ West	100	-	-	-	-	100
OC-44 Line - Reach "G"	24	1,884	1.34	+ West	100	-	-	-	-	100
Coast Supply Line - Reach "A"	27	970	0.54	+ South	100	-	-	-	-	100
Coast Supply Line - Reach "B"	27	895	0.50	+ South	100	-	-	-	-	100
Tri-Cities Transmission Main - Reach "A"	60	22,377	2.54	+ South	87	13	-	-	-	100
Tri-Cities Transmission Main - Reach "B"	60	10,880	1.23	+ South	87	13	-	-	-	100
Tri-Cities Transmission Main - Reach "C"	42	10,203	2.36	+ South	87	13	-	-	-	100
Tri-Cities Transmission Main - Reach "D"	36	9,730	3.07	+ South	87	13	-	-	-	100
Tri-Cities Transmission Main - Reach "E"	36	4,595	1.45	+ South	87	13	-	-	-	100
Tri-Cities Transmission Main - Reach "F"	24	2,149	1.52	+ South	87	13	-	-	-	100
Auldenkamp Transmission Main - Reach "A"	42	5,545	1.26	+ South	95	5	-	-	-	100
Auldenkamp Transmission Main - Reach "B"	42	2,634	0.61	+ South	95	5	-	-	-	100
Auldenkamp Transmission Main - Reach "C"	36	2,116	0.67	+ South	95	5	-	-	-	100
Auldenkamp Transmission Main - Reach "D"	36	726	0.23	+ South	95	5	-	-	-	100
Newport Beach Wells Supply Line-Reach "A"	36	8,518	2.69	+ South	-	-	-	100	-	100
Newport Beach Wells Supply Line-Reach "B"	30	8,518	3.87	+ South	-	-	-	100	-	100
Poseidon Pipeline (Proposed) - Reach "A"	48	34,720	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach "B"	40	34,720	6.16	+ East	100	-	-	-	-	100
Poseidon Pipeline (Proposed) - Reach "C"	48	34,720	6.16	+ East	100	-	-	-	-	100

East Orange County Feeder		Fiscal Year									
No. 2		02-03	03-04	04-05	05-06	06-07	2010	2015	2020	2025	
CONN	AGENCY										
A-06	Anaheim [1]	2,809	3,081	2,882	3,009	2,973	3,123	3,085	3,115	3,433	
CM-01	Irvine Ranch WD	369	160	174	153	162	158	187	211	215	
CM-01	Laguna Beach	1,890	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	
CM-01	Newport Beach	-	-	-	-	-	-	-	-	-	
CM-02	Mesa Consolidated	-	-	-	-	-	-	-	-	-	
CM-06	Newport Beach	-	-	-	-	-	-	-	-	-	
CM-08	Newport Beach	3,305	3,300	3,323	3,484	3,518	3,518	3,534	3,551	3,568	
CM-09	Newport Beach	-	-	-	-	-	-	-	-	-	
CM-10	El Toro	1,300	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	
CM-10	Irvine Ranch WD	185	160	174	153	162	158	187	211	215	
CM-10	Moulton Niguel WD	10,200	10,100	10,100	10,200	10,200	10,900	11,500	12,200	12,500	
CM-10	San Clemente	4,025	3,970	4,060	4,150	4,250	4,560	4,980	5,200	5,300	
CM-10	San Juan Capistrano	5,801	2,000	525	625	625	1,000	1,000	1,000	1,000	
CM-10	South Coast WD	3,696	5,193	5,193	5,193	5,193	5,193	5,193	5,193	5,193	
CM-11	Newport Beach	1,490	1,478	1,488	1,560	1,565	1,575	1,583	1,590	1,598	
CM-12	Irvine Ranch WD	185	160	174	153	162	158	187	211	215	
CM-12	Laguna Beach	2,880	2,900	2,900	2,910	2,920	2,950	3,000	3,050	3,100	
CM-12	Sa Marganta	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	
CM-12	South Coast WD	3,154	2,141	2,191	2,191	2,191	1,541	1,591	1,641	1,691	
CM-13	Newport Beach	125	147	149	156	157	157	158	159	159	
OC-07	Irvine Ranch WD	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	
OC-14	Mesa Consolidated	-	-	-	-	-	-	-	-	-	
OC-38	Irvine Ranch WD	1,112	957	1,043	915	975	950	1,124	1,264	1,290	
OC-39	Irvine Ranch WD	11,119	9,572	10,434	9,151	9,746	9,504	11,236	12,639	12,902	
OC-40	Orange	1,783	1,783	1,783	1,783	1,783	1,783	1,783	1,783	1,783	
OC-42	Orange	1,079	1,079	1,079	1,079	1,079	1,079	1,079	1,079	1,079	
OC-43	E Orange CWD	760	-	-	-	-	-	-	-	-	
OC-44	Mesa Consolidated	3,070	3,100	960	1,000	1,060	1,170	1,320	1,470	1,470	
OC-44	Huntington Beach	2,718	3,000	3,000	3,000	3,000	4,000	4,000	4,000	4,000	
OC-48	E Orange CWD	1,147	200	200	200	200	200	200	200	200	
OC-57	Irvine Ranch WD	371	319	348	305	325	317	375	421	430	
OC-58	Irvine Ranch WD	4,633	3,988	4,347	3,813	4,061	3,960	4,682	5,266	5,376	
OC-63	Irvine Ranch WD	741	638	696	610	650	634	749	843	860	
SA-04	Santa Ana	-	-	-	-	-	-	-	-	-	
SA-05	Santa Ana	-	-	-	-	-	-	-	-	-	
SA-06	Santa Ana	5,908	6,335	6,405	6,465	6,505	6,755	7,055	7,200	7,200	
SA-07	Santa Ana	-	-	-	-	-	-	-	-	-	
unknown	OCWD [3]	50,000	50,000	50,000	50,000	15,000	15,000	15,000	15,000	15,000	
	TOTAL	128,855	122,100	119,968	118,596	84,803	86,583	91,127	94,837	96,117	

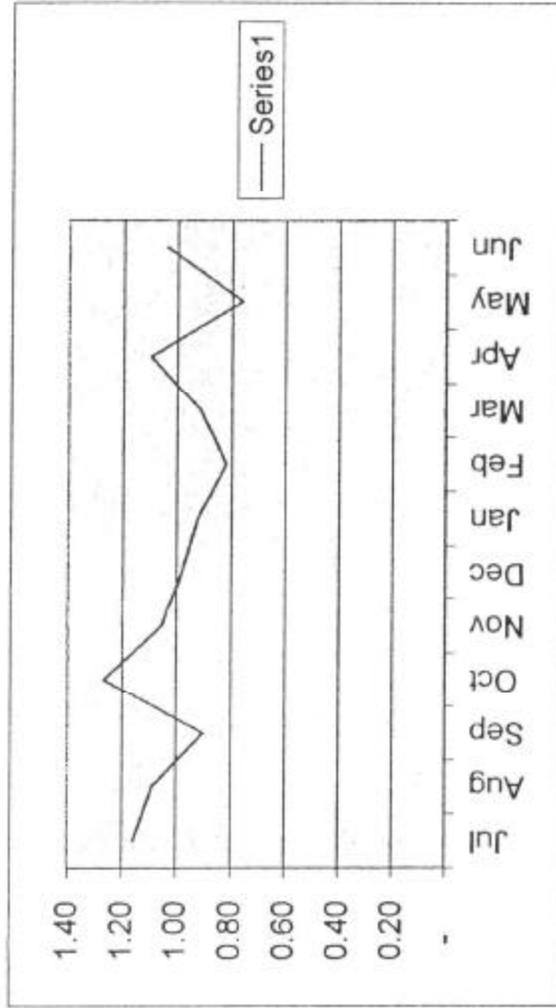
[1] Data per agencies' responses to MWDOC annual "5-Year Projection" survey
[2] Laguna Beach is planning to produce 2,025 AF/yr of groundwater, it may arrive by exchange, so no decrease in EOCF#2 usage is shown here.
[3] OCWD can ask several agencies to take "In-Lieu" replenishment deliveries; all is shown here as taken via the EOCF#2 although some may actually be taken via other feeders.

EOCF#2 Monthly Usage Projections [1] by Water Agencies (Acre-Feet)

CONN.	AGENCY	ACRE-FEET												Fiscal Year 2002-03	
		JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUN.	TOTAL	
A-06	Anaheim [1]	-	-	-	472	414	417	389	334	367	416	-	-	-	2,809
CM-01	Irvine Ranch WD	2	1	30	27	25	24	23	24	26	0	0	0	185	369
CM-01	Laguna Beach	200	200	170	170	140	140	140	110	140	150	160	170	1,890	
CM-01	Newport Beach	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM-02	Mesa Consolidated	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM-06	Newport Beach	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM-08	Newport Beach	255	345	370	355	270	270	265	220	260	245	200	250	3,305	
CM-09	Newport Beach	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM-10	El Toro	150	150	150	150	100	100	100	75	75	75	75	100	1,300	
CM-10	Irvine Ranch WD	2	2	1	30	27	25	24	23	24	26	0	0	185	
CM-10	Moulton Niguel WD	2,000	1,500	900	500	400	300	300	300	400	700	900	2,000	10,200	
CM-10	San Clemente	412	464	417	322	274	295	285	201	269	316	353	417	4,025	
CM-10	San Juan Capistrano	670	685	620	630	441	445	330	275	350	360	485	510	5,801	
CM-10	South Coast WD	373	374	332	331	285	288	279	216	252	281	343	342	3,696	
CM-11	Newport Beach	220	150	160	150	120	145	100	80	50	65	100	150	1,480	
CM-12	Irvine Ranch WD	2	2	1	30	27	25	24	23	24	26	0	0	185	
CM-12	Laguna Beach	300	300	260	240	240	230	210	180	180	220	250	270	2,880	
CM-12	Sa Margarita	91	91	92	92	92	92	92	92	92	92	91	91	1,100	
CM-12	South Coast WD	328	346	323	249	240	213	190	183	221	241	307	313	3,154	
CM-13	Newport Beach	45	-	25	15	-	-	25	-	-	15	-	-	125	
OC-07	Irvine Ranch WD	193	193	201	179	157	135	124	116	121	145	161	177	1,900	
OC-14	Mesa Consolidated	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OC-38	Irvine Ranch WD	11	11	7	178	165	152	145	140	143	158	1	2	1,112	
OC-39	Irvine Ranch WD	110	110	67	1,776	1,646	1,516	1,451	1,405	1,435	1,575	10	18	11,119	
OC-40	Orange	200	189	164	155	139	127	109	100	109	139	164	188	1,783	
OC-42	Orange	121	114	99	94	84	77	66	60	66	84	99	115	1,079	
OC-43	E Orange CWD	137	137	107	114	13	13	4	-	18	56	78	83	760	
OC-44	Mesa Consolidated	550	580	310	190	70	60	130	120	180	310	230	340	3,070	
OC-44	Huntington Beach	390	403	316	294	186	128	111	74	86	182	254	294	2,718	
OC-48	E Orange CWD	194	141	152	98	39	45	36	12	40	75	128	187	1,147	
OC-57	Irvine Ranch WD	4	4	2	59	55	51	48	47	46	53	0	1	371	
OC-58	Irvine Ranch WD	46	46	28	740	686	632	505	585	656	656	4	7	4,633	
OC-63	Irvine Ranch WD	7	7	4	118	110	101	97	94	96	105	1	1	741	
SA-04	Santa Ana	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA-05	Santa Ana	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA-06	Santa Ana	600	600	600	581	482	401	363	292	340	449	600	600	5,908	
SA-07	Santa Ana	-	-	-	-	-	-	-	-	-	-	-	-	-	-
unknown	OCWD [3]	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	-	-	50,000	
TOTAL		12,613	12,145	10,908	13,338	11,926	11,446	11,066	10,382	11,009	12,215	4,994	6,812	128,654	

**East Orange County Feeder No. 2 Monthly Usage Projections
Poseidon Resources Corporation**

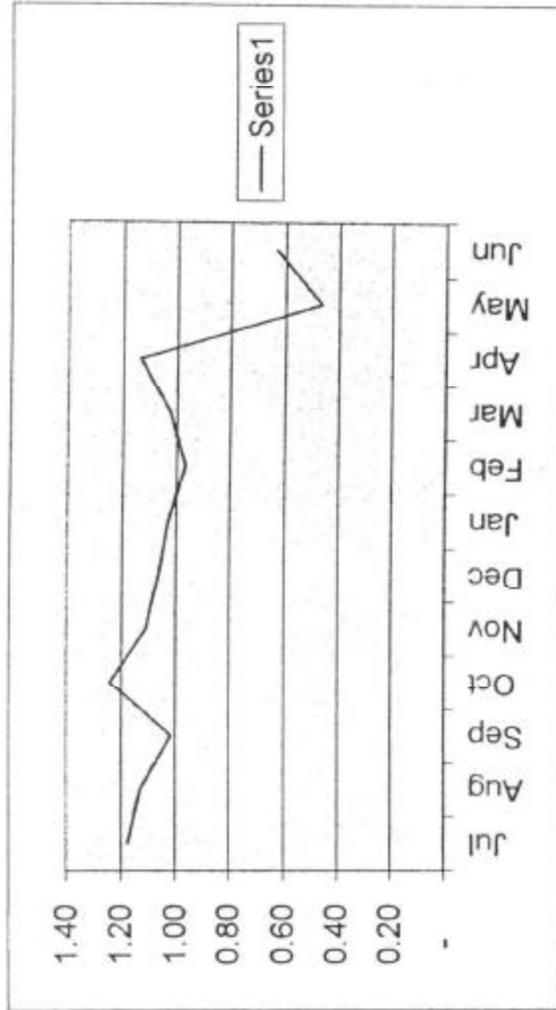
Month	Projected Demand (ac-ft/mo)	Multiplier
Jul	7,613	1.16
Aug	7,145	1.09
Sep	5,908	0.90
Oct	8,338	1.27
Nov	6,926	1.05
Dec	6,446	0.98
Jan	6,066	0.92
Feb	5,382	0.82
Mar	6,009	0.91
Apr	7,215	1.10
May	4,994	0.76
Jun	6,812	1.04
Total	78,854	



Projections are based on information provided by the Municipal Water District of Orange County for the water year 2002-2003. Projection based on information provided dated 5/10/02. Supplies exclude OCWD demands.

East Orange County Feeder No. 2 Monthly Usage Projections
Poseidon Resources Corporation

Month	Projected Demand (ac-ft/mo)	Multiplier
Jul	12,613	1.17
Aug	12,145	1.13
Sep	10,908	1.02
Oct	13,338	1.24
Nov	11,926	1.11
Dec	11,446	1.07
Jan	11,066	1.03
Feb	10,382	0.97
Mar	11,009	1.03
Apr	12,215	1.14
May	4,994	0.47
Jun	6,812	0.63
Total	128,854	



Projections are based on information provided by the Municipal Water District of Orange County for the water year 2002-2003. Projection based on information provided dated 5/10/02. Supplies include OCWD demands of 50,000 ac-ft/yr for July thru April.

